

Inventor(s): Sugiyama et al.

Appl. No.: 09

098,730

Series Code ↑

Serial No. ↑

Filed: June 18, 1998

Hon. Commissioner of Patents  
Washington, D.C. 20231

Group Art Unit

1743

Examiner:

Tung

Atty. Dkt.

P 0254782

U3-98-7-TS

Appln. Title:

MULTILAYERED AIR-FUEL RATIO  
SENSOR

Sir:

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

Date: April 17, 2001

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated herein by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

**FEE REQUIREMENTS FOR CLAIMS AS AMENDED**

1. Small Entity claim

A. ☒ NOT madeFor B & C  
See Required  
Separate Paper  
(Pat-256)B. ☐ WithdrawnC. ☐ made herewithD. ☐ made previously

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	21	**minus 20	1	x \$18/\$9 =	+ \$18	103/203
3. Independent Claims	3	***minus 3	0	x \$80/\$40 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) .....				add + \$270/\$135 =	+ \$0	104/204
5. Original due Date:	<input checked="" type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo)	\$110/\$55 =				115/215
	(2 mos)	\$390/\$195 =	+ \$0			116/216
	(3 mos)	\$890/\$445 =				117/217
	(Usable only for ≤ 2mo.OA --- 4 mos)	\$1390/\$695 =				118/218
	(Usable only for 30 day/1mo.OA --- 5 mos)	\$1890/\$945 =				128/228
7. Enter any previous extension fee paid since above original due date and subtract			- \$0			
8. Extension Fee Attached				+ \$0		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee .....			+ \$110/\$55	+ \$0		148/248
10. If IDS attached requires Official Fee under Rule 97 (c), .....			+ \$180	+ \$0		126
or if Rule 97(d) Request .....			+ \$180	+ \$0		126
11. After-Final Request Fee per rules 129(a) and 17(r) .....			+ \$710/355	+ \$0		146/246
12. No. of additional inventions for examination per Rule 129(b).....			x \$710/355 ea	+ \$0		149/249
13. Request for Continued Examination (RCE) .....			+ \$710/355	+ \$0		1179/1279
14. Petition fee for .....				+ \$0		
15. TOTAL FEE ENCLOSED =					\$18	

15.

16. \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 60388

C#

0254782

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

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Intellectual Property Group

By Atty: Kenneth M. Fagin

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

*W. Lawrence*  
*Pre Amended*  
*# 215*  
*4.26.01*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

SUGIYAMA et al.

Appln. No.: 09/098,730

Filed: June 18, 1998

Title: MULTILAYERED AIR-FUEL RATIO SENSOR



Group Art Unit: 1743

Examiner: Tung

April 17, 2001

\* \* \* \* \*

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the Continuation Application identified above, please further amend the Application as follows:

**IN THE CLAIMS:**

Please replace claim 1 with the following:

1. (Five times amended) A multilayered air-fuel ratio sensor having a plurality of stacked layers comprising:

a plurality of substrate layers comprising at least one solid electrolytic substrate layer and at least one insulating substrate layer; and

a boundary layer interposed between said solid electrolytic substrate layer and said insulating substrate layer;

04/18/2001 HX22R1 00000048 09098730

01 FEB 2003

10.00 CP